

Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A composition comprising Component A and Component B;
wherein Component A comprises: gypsum, an alkaline first polymer, an alkaline agent, and a hydration inhibitor; and
wherein Component B comprises: a second polymer, a filler, and an activator; and
wherein both Components A and B are dispersed in an aqueous medium.
2. (Canceled).
3. (Currently Amended) The composition of claim 2 1 wherein the volume ratio of Component A to Component B is from 95:5 to 5:95.
4. (Original) The composition of claim 1 wherein Component A comprises: 20-99 50 wt% alkaline first polymer; 50-80 wt% gypsum, 0.05-1.0 wt% alkaline agent, and 0.1-2.0 wt% hydration inhibitor, based on the total weight of Component A.
5. (Original) The composition of claim 1 wherein Component B comprises: 20-99 70 wt% second polymer; 30-50 wt% filler and 0.1-6.0 wt% activator, based on the total weight of Component B.
6. (Currently Amended) A method of forming a polymer-modified gypsum comprising
forming Component A and Component B; wherein Component A comprises: gypsum, an alkaline first polymer, an alkaline agent, and a hydration inhibitor; and wherein Component B comprises: a second polymer, a filler, and an activator; and wherein both Components A and B are dispersed in an aqueous medium; and
admixing Component A and Component B.
7. (Original) The method of claim 6 further comprising applying said admixture to a substrate.
8. (Original) The method of claim 7 wherein the substrate is the excavated rock surface of a subterranean mine.
9. (Original) A polymer-modified gypsum formed by the method of claim 6.
10. (New) The composition of claim 1 wherein the alkaline agent comprises at least one of an amine and an alkaline earth base.
11. (New) The composition of claim 1 wherein the hydration inhibitor comprises at least one of a polymer of a polycarboxylic acid and a copolymer of a polycarboxylic acid.

12. (New) The composition of claim 1 wherein the activator comprises a metallic salt.